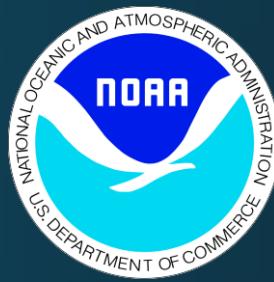




# Kivalina Potential Storm Impacts

November 21<sup>st</sup> – 22<sup>nd</sup> 2017

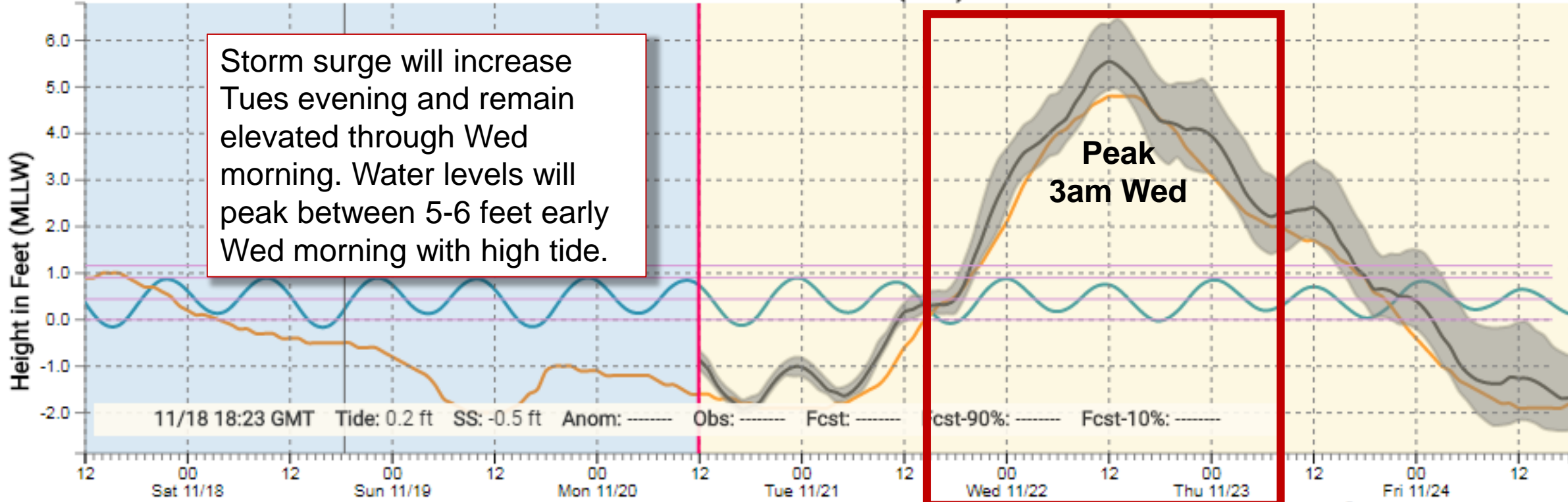


- Coastal Flood **Warning** Tuesday afternoon (Nov 21) through Wednesday evening (Nov 22).
- Storm surge 4 to 6 feet. Water levels will be up to 1 foot higher than the Nov 11-12 event.
  - Water will be pushed into the lagoon and cause flooding on the lagoon side of Channel Street.
  - Significant wave run-up and erosion along the beach.
  - Inundation of winter trail (heading north of out of Kivalina) in low lying areas.
- Storm surge will increase Tuesday evening and will remain elevated through Wednesday morning.
  - Water levels will peak with the high tide early Wednesday morning (3 am AKST).
- SOUTHWEST winds 35 to 50 mph expected throughout this event.
- Please contact National Weather Service 24/7 with any observations:
  - Phone: (907) 458-3708
  - Email: [fairbanks.weather@noaa.gov](mailto:fairbanks.weather@noaa.gov)
  - Please take photos or video of flooded areas. This will help improve our forecasts for your community.

Yellow is the possible area of inundation with a storm surge up to 6 feet. This does not include wave run-up.



Kivalina AK 9491253 Model Time(UTC): 2017-11-20 12:00



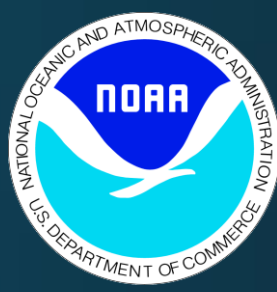
Storm surge will increase Tues evening and remain elevated through Wed morning. Water levels will peak between 5-6 feet early Wed morning with high tide.

Peak  
3am Wed





See the NWS webpage for the latest forecasts  
[www.weather.gov/fairbanks](http://www.weather.gov/fairbanks)



The screenshot shows the NWS Fairbanks, AK webpage. At the top, there is a header with the NWS logo and the text "NATIONAL WEATHER SERVICE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION". Below this, there is a "Local forecast by" section with a search bar and a "News Headlines" section with links to "Fairbanks October 2017 Climate Summary", "Learn more about who the National Weather Service is and what we do to support you!", and "Become a Weather-Ready Nation Ambassador!". The main heading is "NWS Forecast Office : Fairbanks, AK" with a sub-heading "Weather.gov • Fairbanks, AK". There are navigation links for "Current Hazards", "Current Conditions", "Radar", "Forecasts", "Rivers and Lakes", "Climate and Past Weather", and "Local Programs". A "Quick Zoom" section allows users to select different regions: "Alaska Statewide", "Southcentral", "Fairbanks", "Western", "Central/Northern", and "Juneau/Southeast". A "Disable Mouse Scroll" checkbox is also present. The main content is a map of Alaska with various colored zones indicating hazards. A legend on the right side of the map defines "Land Hazards" (Warning, Watch, Advisory, Special Wx) and "Marine Hazards" (Fog Spray, High Seas Wind, Storm Warning, Gale Warning, Small Craft Adv). Below the map, there are links for "Cities", "Legend", and "Public updated Thu Nov 09 21:03". At the bottom, there is a row of icons for "Alaska 1/3 Weather Maps", "Satellite (GDS)", "Satellite (GDS)", "Radar", "Graphs", "One Glance Forecast", "Decision Support Page", "Space Weather", "Fire Weather", "Marine", "Submit a Report", and "Social Media". A red circle highlights the "Submit a Report" icon, and a red arrow points from this icon to the text box on the right.

Storm and flooding observations can be submitted here. They will immediately alert a forecaster at our office in Fairbanks.